



CITY COUNCIL

CITY AND COUNTY OF HONOLULU

HONOLULU, HAWAII 96813-3077

COMMITTEE ON PUBLIC INFRASTRUCTURE, TECHNOLOGY AND SUSTAINABILITY

Voting Members:

Carol Fukunaga, Chair
Joey Manahan, Vice Chair
Ron Menor
Kymberly Marcos Pine
Heidi Tsuneyoshi

NOTICE OF CONTINUANCE OF MEETING

ORIGINALLY CONVENED ON MARCH 25, 2019 AT 2:00 P.M.

See attached agenda for original meeting

TO BE CONTINUED TO:

DATE: WEDNESDAY, MARCH 27, 2019
TIME: 2:00 P.M.
PLACE: COMMITTEE MEETING ROOM

The continuance of the meeting is necessary to conclude consideration of Agenda Item No. 1 - RELATING TO FIRE SAFETY. Clarifying the intent of Ordinance 18-14 and addressing implementation issues relating to fire safety measures and assessments enacted by that ordinance for the protection of persons and property in existing high-rise residential buildings.

Public testimony has concluded and no further testimony will be allowed on the item to be considered at this continued meeting.

The Committee has concluded public testimony and action on the other item(s) described in the attached agenda. However, pursuant to Council Rule No. 18, which allows for reconsideration of a vote taken on any agenda item at the same meeting, the Committee may take such action if necessary.

This notice has been physically posted at the following location(s):

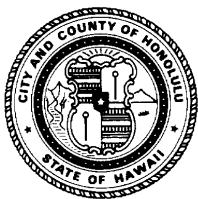
X Office of the City Clerk

X Meeting Site

This notice has also been electronically posted at <http://www4.honolulu.gov/docushare/dsweb/View/Collection-4342>.

For more information relating to the continuance, you may call 768-3819.

(This notice is not subject to the filing requirements of HRS Sec. 92-7.)



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AGENDA

REGULAR MEETING
COMMITTEE MEETING ROOM
MONDAY, MARCH 25, 2019
2:00 P.M.

SPEAKER REGISTRATION

Persons wishing to testify are requested to register by 2:00 p.m. as follows:

- a. On-Line at <http://www.honolulu.gov/ccl-testimony-form.html>;
- b. By faxing to 768-3827 your name, phone number and the agenda item;
- c. By filling out a registration form in person; or
- d. By calling 768-3819.

Persons who have not registered to testify will be given an opportunity to speak on an item following oral testimonies of the registered speakers.

Each speaker is limited to a **one-minute** presentation.

WRITTEN TESTIMONY

Written testimony may be faxed to 768-3827 or transmitted via the internet at <http://www.honolulu.gov/ccl-testimony-form.html> for distribution at the meeting.

If submitted, written testimonies, including the testifier's address, e-mail address and phone number, may be posted by the City Clerk and available to the public on the City's DocuShare Website.

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MATERIALS AVAILABLE FOR INSPECTION

Meeting materials ("*board packet*" §92-7.5, HRS) are available for public inspection at the Council Information and Records Section's service window at Room 202 in Honolulu Hale (530 S. King St.).

Accommodations are available upon request to persons with disabilities, please call 768-3819 or send an email to darcie.nago@honolulu.gov at least three working days prior to the meeting.

The meeting is viewable by: (1) internet live streaming through http://olelo.granicus.com/MediaPlayer.php?publish_id=92; (2) televised live broadcast on Olelo TV Channel 54; or (3) after the meeting, viewable at <http://www.honolulu.citycouncil.tv/>. Copies of older meeting videos may be requested by calling the City Clerk's Office at 768-5822, charges may apply.

FOR APPROVAL

MINUTES OF FEBRUARY 26, 2019

FOR ACTION

1. **BILL 96 (2018) – RELATING TO FIRE SAFETY.** Clarifying the intent of Ordinance 18-14 and addressing implementation issues relating to fire safety measures and assessments enacted by that ordinance for the protection of persons and property in existing high-rise residential buildings. (Bill passed second reading and public hearing held 2/13/19; Committee postponed action on 2/26/19)

PROPOSED CD1 TO BILL 96 (2018) (Submitted by Councilmember Fukunaga) – The CD1 (OCS2019-0276/3/19/2019 5:28 PM) makes the following amendments:

- A. Adds the three-year and six-year deadlines relating to the building fire and life safety evaluation in Section 13.3.2.26.2 to the new EXCEPTION so that these deadlines will also be paused, tolled, or suspended in the event that any required building permits are not timely reviewed and approved.
- B. Amends Section 13.3.2.26.2., to read as follows:

13.3.2.26.2 Compliance shall be with either automatic fire sprinkler system throughout the building or alternative fire prevention and fire safety system. Existing high-rise residential buildings not protected throughout by an automatic fire sprinkler system shall be subject to building fire and life safety evaluation code assessments, which shall consist of an assessment of building safety features and fire protection systems in accordance with this code and the building code on a form prescribed by the AHJ in accordance with Section 20-__ 4. Existing high-rise residential buildings that opt to install an automatic fire sprinkler system throughout the building shall not be required to undergo the building fire and life safety evaluation code assessment. A passing score on the evaluation provides a minimum level of fire and life safety to occupants and fire fighters that is approved by the AHJ. A building fire and life safety evaluation shall be ~~[conducted]~~ prepared by a licensed design professional, or a building's authorized representative under the supervision of a licensed design professional, be stamped with the licensed design professional's authorized seal or stamp, and be authenticated as provided under Hawaii Administrative Rules Section 16-115-9. A building fire and life safety evaluation shall be conducted within three years from ~~[the effective date of this ordinance]~~ May 3, 2018. Buildings shall comply by passing the building fire and life safety evaluation within six

years from ~~[the effective date of this ordinance]~~ May 3, 2018, unless compliance is met with an automatic fire sprinkler system as indicated in the building fire and life safety evaluation form, Table 8. The AHJ may grant an extension pursuant to Section 13.3.2.26.7 if automatic fire sprinkler systems are used to achieve compliance. All buildings must continue to maintain a passing status on their respective building fire and life safety evaluation code assessments or their automatic sprinkler system codes at the time of the evaluation. For the purposes of this section, "existing high-rise residential building" means the same as "existing highrise residential building" as defined in Section 20-5.1.

- C. Amends Section 13.3.2.26.2.2, to read as follows:

13.3.2.26.2.2 Except as otherwise provided in this paragraph (15), which establishes the life safety evaluation system and authorizes owners of existing high-rise residential buildings to opt-out of approved automatic sprinkler systems through a life-safety evaluation process, existing high-rise residential buildings shall be protected throughout by an approved automatic fire sprinkler system in accordance with this chapter and the building code. Existing high-rise residential buildings that opt to install an automatic fire sprinkler system throughout the building shall not be required to undergo a building fire and life safety evaluation code assessment, but shall be required to apply for and obtain a building permit for the automatic fire sprinkler system within two years from the date of notifying the AHJ of its option or selecting the option on the building fire and life safety evaluation code assessment form, Table 8.

- D. Adds a new SECTION 3 that amends Ordinance 18-14, SECTION 3, Section 20-___.3, Revised Ordinances of Honolulu 1990, to conform with revisions to Section 13.3.2.26.2, to read as follows:

"Sec. 20-___.3 Compliance.

A building fire and life safety evaluation code assessment shall be ~~[conducted]~~ prepared by a licensed design professional, or a building's authorized representative under the supervision of a licensed design professional using the building fire and life safety evaluation form prescribed by the AHJ in accordance with Section 13.3.2.26.2. The AHJ may grant an extension per Section 13.3.2.26.2.7 if automatic fire sprinkler systems are used to achieve compliance. All buildings must continue to maintain a passing status on their respective building fire and life safety evaluation code assessments."

- E. Adds a new SECTION 4 that amends the building fire and life safety evaluation form that was prescribed in Section 4, marked Exhibit A, of Ordinance 18-14, to a new form that is attached to the bill as Exhibit A, that reads as follows:

"SECTION 4. The building fire and life safety evaluation form that was prescribed in Section 4, marked Exhibit A, of Ordinance 18-14, is hereby amended to the form attached hereto, marked Exhibit A, in accordance with Ordinance 18-14, and is made a part of this ordinance by reference. Amendments to the building fire and life safety evaluation form include the following: [Placeholder for list of amendments]"

- F. Adds a new SECTION 5 that attaches a revised list of the existing high-rise residential buildings that are subject to the building fire and life safety evaluation code assessment required under Ordinance 18-14, attached and marked as Exhibit B, and made a part of the ordinance by reference.

- G. Adds a new SECTION 6 that provides for a resetting of the time periods and deadlines for required under Section 13.3.2.26.2 and Section 13.3.2.26.2.7 of Ordinance 18-14, for all buildings that have not yet begun the building fire and life safety evaluation process, to read as follows:

"SECTION 6. For all existing high-rise residential buildings that are listed in Exhibit B, attached hereto, that have not yet begun the building fire and life safety evaluation code assessment required under Ordinance 18-14 as of the effective date of this ordinance, the time periods and deadlines for compliance set forth in Section 13.3.2.26.2 and Section 13.3.2.26.2.7 shall be reset and the commencement of the time periods and deadlines shall start upon the effective date of the ordinance."

- H. Adds a new SECTION 7 that requires the AHJ to provide an annual report to the Council, to read as follows:

"SECTION 7. The AHJ shall provide an annual report to the Council not less than 20 days from the end of the fiscal year on the progress of the implementation of Ordinance 18-14. The report shall include the number of buildings that are in compliance with Ordinance 18-14, or are in the process of achieving compliance with the ordinance and the status of the buildings progress, any issues or concerns that have arisen relating to the implementation of Ordinance 18-14, and any suggested amendments or changes to Ordinance 18-14 or to the building fire and life safety evaluation form."

- I. Renumbers the remaining SECTION accordingly.
 - J. Makes miscellaneous technical and nonsubstantive amendments, including amendments to correct grammatical and typographical errors, improve clarity, and conform the bill to recommended drafting style.
2. **RESOLUTION 18-283 – CARBON DIOXIDE MINERALIZATION CONCRETE.** Requesting the City administration to consider using post-industrial carbon dioxide mineralized concrete for all future City infrastructure projects utilizing concrete.
 3. **RESOLUTION 19-49 – REPAIR AND MITIGATION PLAN FOR INFRASTRUCTURE ISSUES IN PALOLO VALLEY.** Urging the City Administration to provide a repair and mitigation plan for infrastructure issues occurring in Palolo Valley along Waiomao Road, Kuahea Street, and Kuahea Place.

PROPOSED CD1 TO RESOLUTION 19-49 (Submitted by Council Chair Kobayashi)
– The CD1 (OCS2019-0270/3/18/2019 4:12 PM) makes the following amendments:

- A. Adds new WHEREAS clauses 6 through 10, that read as follows:

WHEREAS a geological survey by the U.S. Department of the Interior on the relation of slow-moving landslides to earth materials and other factors in valleys of the Honolulu District of Oahu, Hawaii, published in 1995 ("Survey"), noted the landslide on Waiomao Road and existing problems with land stabilization, stating:

"Slow-moving landslides have been a costly problem in Honolulu since about 1954 (Peck, 1959). A landslide that occurred at that time on Waiomao Road in Palolo Valley was extensively studied to design stabilization measures (Peck, 1959,1967,1968). Attempts at stabilization were unsuccessful, however, and ultimately about 40 homes on the landslide were demolished. . . ."

(Survey, at page 2); and

WHEREAS the Survey further notes that the rainfall in Palolo Valley is a contributing factor to slow-moving landslides, stating:

"Rainfall is important to slow-moving landslides in two ways. First, subsurface water pressure, which is an immediate cause of movement, is related directly to

amount of rainfall (Baum and Reid, 1992). Rate of landslide movement at Waiomao Road in Palolo Valley, for example, has been correlated with rainfall in the preceding 10-day period (Peck, 1967). . . ."

(Survey, at page 5); and

WHEREAS, according to a report by the University of Hawaii's School of Ocean and Earth Sciences and Technology entitled "Mapping the Susceptibility to Slow-Moving Landslides on O'ahu," published in May of 2018, early investigations of slow-moving landslides on O'ahu focused on two landslides that occurred in new developments in Honolulu in the 1950s and 1960s: the Waiomao Slide in Palolo Valley (subdivision completed late 1952; problems noticed by March 1954) (Peck, 1959) and the Hind luka landslide in Aina Haina (development approved 1956; movement noticed in early 1966) (Peck, 1968). Although those two landslides were studied and remedial measures attempted, few studies were conducted on a regional scale; and

WHEREAS, in light of the historical documentation of slow-moving landslides along Waiomao Road, Kuahea Street, and Kuahea Place, and existing conditions in Palolo Valley that would hinder stabilization of the area, a geological study on a regional scale may be necessary to accurately assess the existing ground conditions; and

WHEREAS, since the property directly above Kuahea Street is owned by the State of Hawaii, the City should work with the State of Hawaii in conducting the geological survey of the region; and

- B. Adds a new BE IT FURTHER RESOLVED clause that reads as follows:

BE IT FURTHER RESOLVED that the City Administration work with the State of Hawaii to cooperatively assess and investigate the area above Kuahea Street, Kuahea Place, and Waiomao Road, and conduct a region-wide geological survey which may determine the cause of earth movement in the area; and

- C. Revises the BE IT FINALLY RESOLVED clause to list additional recipients, and to read as follows:

BE IT FINALLY RESOLVED that copies of this resolution be transmitted to the Mayor, the Managing Director, the Director of Transportation Services, the Chief Engineer of the Department of Facility

Committee on Public Infrastructure, Technology and Sustainability Agenda
Monday, March 25, 2019

Maintenance, the Director of Environmental Services, the Manager and Chief Engineer of the Board of Water Supply, Senator Les Ihara, Speaker Emeritus Calvin Say, and the Chairperson of the State of Hawaii Department of Land and Natural Resources.

- D. Makes miscellaneous technical and nonsubstantive amendments to comport with current drafting conventions.

CAROL FUKUNAGA, Chair
Committee on Public Infrastructure,
Technology and Sustainability